		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
LLL	iii	888 888 888 888	RRR RRR RRR RRR	111	LLL
LLL	111	BBB BBB	RRR RRR	TTT	ili
LLL	111	888 888 888 888	RRR RRR	ŢŢŢ	LLL
ill	111	888 BBB	RRR RRR	111	
illullullul	1111111111	88888888888	RRR RRR	iii	illiminimini
LLLLLLLLLLLLLLL	IIIIIIIII	88888888888	RRR RRR	ttt	LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLL	111111111	BBBBBBBBBBB	RRR RRR	TTT	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

LI

VO.

	BBBBBBBB BBBBBBBBBBBBBBBBBBBBBBBBBBBBB	22222222 22 22 22 22 22 22 22 22 22 22	RRRRRRRR RR	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
	\$					

VO3

Page

LIBSCRC_TABLE	Library	CRC table genarator	16-Sep-1984 00:40:16 14-Sep-1984 12:38:28	VAX-11 Bliss-32 V4.0-742 CLIBRTL.SRCJLIBCRCTAB.B32;1	Page
1-003 58 59 60 61 62 63 64 65 66 67 68 67 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86	0057 1 0058 1 0059 1 0060 1 0061 1 0133 1 0135 1 0136 1 0137 0138 1 0137 1 0141 1 0142 1 0144 1 0144 1 0145 1 0147 1 0148 1	PROLOGUE FILE:  REQUIRE 'RTLIN:LIBPROLOG';  TABLE OF CONTENTS:  FORWARD ROUTINE LIBSCRC_TABLE:NOVALUE;  MACROS:  NONE  EQUATED SYMBOLS:  NONE  OWN STORAGE:  NONE	! LIB\$ definitions	CLIBRTL.SRCJLIBCRCTAB.832;1	rage
84 85 86	0152 1 0153 1 0154 1 0155 1	EXTERNAL REFERENCES: NONE			

LIB VO3

```
LIBSCRC_TABLE
                                                                                            16-Sep-1984 00:40:16
14-Sep-1984 12:38:28
                                                                                                                               VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]LIBCRCTAB.B32;1
                      Library CRC table genarator
                                                                                                                                                                                           (3)
                                                                                                                                                                                    Page
                                                                                   Build a table for the CRC routine
Adr of CRC polynomial input
Adr of where table is to be built
                      GLOBAL ROUTINE LIBSCRC_TABLE
    POLY,
TABLE)
                                              :NOVALUE =
                                                                                    No value is returned
                                     FUNCTIONAL DESCRIPTION:
                                     The input polynomial is used to produce a table with 16 longword entries which is the proper format to be used by the LIB$CRC routine for calculating the CRC for a data stream.
                                     FORMAL PARAMETERS:
                                              poly.rl.r
table.wl.ar
                                                                                 input CRC polynomial
                                                                                 Adr of where table of 16 longwords
                                     IMPLICIT INPUTS:
                                              NONE
                                      IMPLICIT OUTPUTS:
                                              NONE
                                      ROUTINE VALUE:
                                     COMPLETION CODES:
                                              NONE
                                     SIDE EFFECTS:
                                              NONE
                                        BEGIN
                                        MAP
                                              TABLE: REF VECTOR [16], POLY: REF VECTOR [1];
                                        LOCAL
                                                                                   temporary used as a flag index into the CRC table
                                              TMP.
                                               INDEX.
                                                                                    iteration index for making each entry
                                        INCR INDEX FROM 0 TO 15 DO
                                              BEGIN
                                              TMP = .INDEX;
INCR I FROM 1 TO 4 DO
                                                    BEGIN
                                                    X = .TMP AND 1;

TMP = .TMP<1,31>;

IF .X EQL 1 THEN
                                                                                 ! Equivalent to .TMP ^ -1
                                                          TMP = .TMP XOR .POLY[0]
                                              TABLEC.INDEX3 = .TMP
                                        RETURN;
```

LIB VO3

LIBSCRC_TABLE	Library CRC table genara	tor	16-Sep-1 14-Sep-1	984 00:40:16 984 12:38:28	VAX-11 Bliss-32 V4.0-742 [LIBRTL.SRC]LIBCRCTAB.B32;1	Page 4
; 145	0213 1 END;					
				TITLE LIB	SSCRC_TABLE Library CRC table genarator	
53 52		2 1 1 1 1 2 0 0 0 0	000C 00000 0 D4 00002 10 D0 00004 1\$: 11 D0 00007 10 EF 0000A 11 EF 0000F 13 D1 00014 14 12 00017 16 CC 00019 16 F3 0001D 3\$: 17 F3 00026 18 O4 0002A	ENTRY LIB	B\$CODE,NOWRT, SHR, PIC.2  SCRC_TABLE, Save R2,R3  EX, TMP  I, TMP, X  W31, TMP, TMP  II, 2\$  I, ATABLE[INDEX]  I, INDEX, 1\$	0156 0210 0202 0203 0205 0206 0207 0208 0207 0210
; Routine Size:	43 bytes, Routine Ba	se: _LIB\$CODE	+ 0000			
: 146 : 147	0214 1 END 0215 0 ELUDOM					
:	P	SECT SUMMARY				
Name	Bytes		Attribute	s		
: _LIB\$CODE	4	3 NOVEC, NOWRT	, RD , EXE, SHR	, LCL, REL,	CON, PIC, ALIGN(2)	
:	Library	Statistics				
file			Symbols Loaded Percent	Pages Mapped	Processing Time	
\$255\$DUA28:	[SYSLIB]STARLET.L32:1 [LIBRTL.OBJ]RTLLIB.L32:1	9776 36	0 0	581 8	00:00.7 00:00.1	

LIB VO3 LIBSCRC\_TABLE Library CRC table genarator

16-Sep-1984 00:40:16 VAX-11 Bliss-32 V4.0-742 Page 5 14-Sep-1984 12:38:28 [LIBRTL.SRC]LIBCRCTAB.B32;1 (3)

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:LIBCRCTAB/OBJ=OBJ\$:LIBCRCTAB MSRC\$:LIBCRCTAB/UPDATE=(ENH\$:LIBCRCTAB)

Size: 43 code + 0 data bytes
Run Time: 00:02.3

Elapsed Time: 00:14.0

Lines/CPU Min: 5733

Lexemes/CPU-Min: 10000

Memory Used: 40 pages

Compilation Complete

L1B V03 0204 AH-BT13A-SE

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